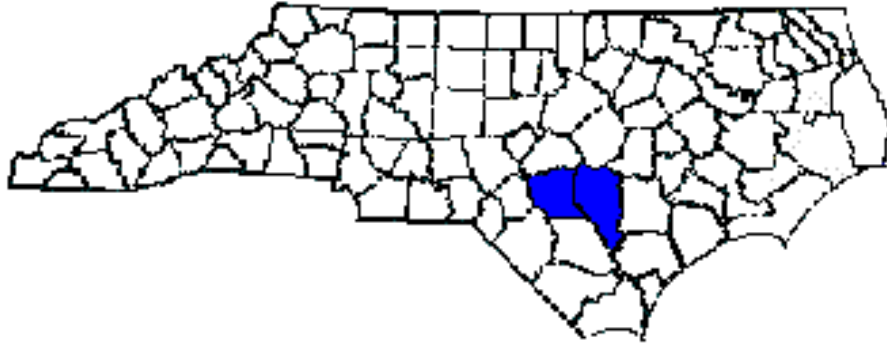


ANNUAL REPORT FOR 2005



**South River Bridge Mitigation Site
Cumberland and Sampson Counties
TIP No. B-3152**



Prepared By:
Natural Environment Unit & Roadside Environmental Unit
North Carolina Department of Transportation
December 2005

TABLE OF CONTENTS

SUMMARY	1
1.0 Introduction	2
.1 Project Description	2
.2 Purpose	2
.3 Project History	2
2.0 Vegetation:	3
.1 Success Criteria	3
.2 Description of Species.....	3
.3 Results of Vegetation Monitoring	3
.4 Conclusions.	3
3.0 Overall Conclusions and Recommendations	3

FIGURES

Figure 1 – Site Location Map	4
------------------------------------	---

APPENDICES

Appendix A – Site Photos	5
--------------------------------	---

SUMMARY

The South River Bridge Mitigation Site is located on the Cumberland/Sampson County line. The site was planted in December 2003 and was designed as mitigation for wetland impacts associated with bridge project B-3152.

The mitigation encompasses approximately 0.25 acres total of wetland restoration. The restoration effort involved the removal of the temporary detour and monitoring the area to ensure that it re-attains wetland jurisdictional status. No hydrologic monitoring is required for this project; however, vegetation monitoring is required for three years.

After the second year of monitoring, the South River Bridge site shows by visual observation that the planted species are surviving and that the impacted area is re-attaining wetland jurisdictional status.

NCDOT recommends continuing vegetation monitoring of this site.

1.0 INTRODUCTION

1.1 Project Description

The South River Bridge Mitigation site is located at Bridge No. 46 on NC 242 on the Cumberland/Sampson County line (Figure 1). The site consists of approximately 0.25 acres of mitigation for wetland impacts associated with project B-3152.

1.2 Purpose

In order for a mitigation site to be considered successful, a site must meet vegetation success criteria. This report details the vegetation monitoring in 2005 at the South River Bridge Mitigation Site. Hydrologic monitoring was not required for the site.

1.3 Project History

December 2003	Site planted
August 2004	Vegetation Monitoring (1 year)
June 2005	Vegetation Monitoring (2 year)

2.0 VEGETATION: SOUTH RIVER BRIDGE MITIGATION SITE (YEAR 2 MONITORING)

2.1 Success Criteria

Success Criteria states that the impacted area where the onsite detour was removed shall be replanted using native species and must re-attain wetland jurisdictional status at the end of three years.

2.2 Description of Species

The following wetland species were planted in the Wetland Restoration Area:

Taxodium distichum, Baldcypress

Fraxinus pennsylvanica, Green Ash

Quercus phellos, Willow Oak

Quercus lyrata, Overcup Oak

Nyssa sylvatica var. *biflora*, Swamp Blackgum

2.3 Results of Vegetation Monitoring

The impacted area where the onsite temporary detour was removed and revegetated is re-attaining wetland jurisdictional status and the planted species are surviving.

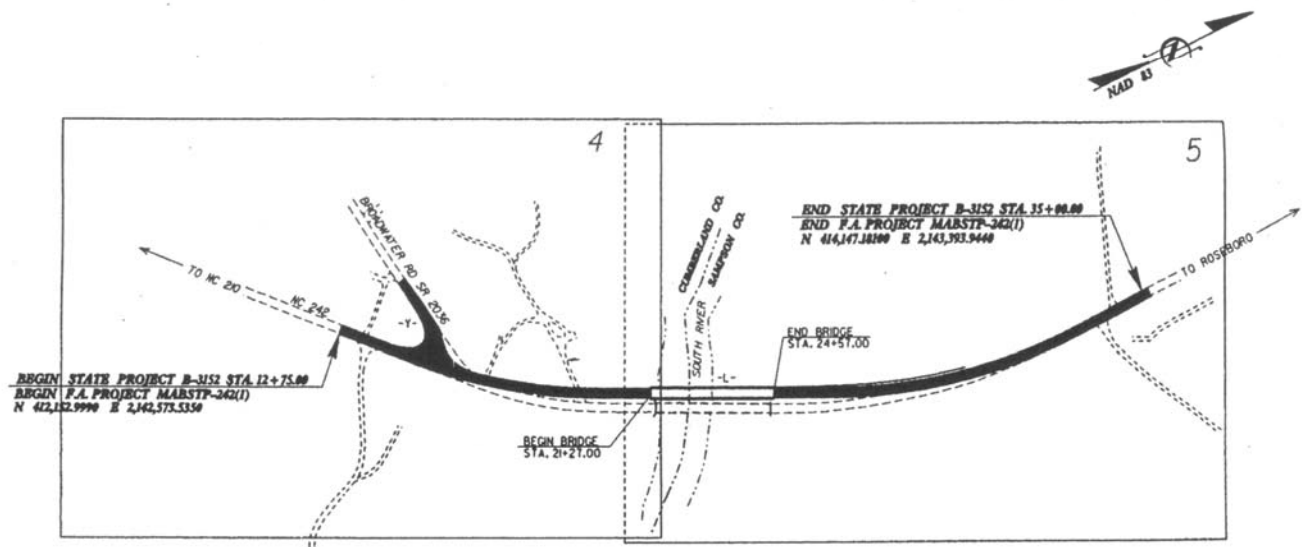
Site Notes: Other species noted include: pine, sweetgum, fennel, goldenrod, smartweed, ragweed, and various grasses.

2.4 Conclusions

There were approximately 0.25 acres of wetland restoration planted on site. There were no plots established on the site. By visual observation the South River Bridge site shows that the planted species are surviving and that the impacted area is re-attaining wetland jurisdictional status. In the 2004 monitoring meeting it was brought to DOT's attention by the USACOE that the site may have not been graded down to the correct elevation. DOT visited the site on June 23, 2005 to check the site's elevation. The causeway that was removed for the old bridge approach has been graded down and matches the adjacent topography. According to the plans there is no planting shown past the bridge abutment.

3.0 Overall Conclusions and Recommendations

NCDOT will continue vegetation monitoring at the South River Bridge Site



VICINITY MAP

FIGURE 1

B-3152

CUMBERLAND/SAMPSON COUNTIES

APPENDIX A

SITE PHOTOS

South River Bridge



Photo 1



Photo 2



Photo 3

June 2005